

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	436	"human growth hormone" with derivative	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 08:41
L2	47	("human growth hormone" with derivative).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 08:41
L3	2	("albumin" same ("human growth hormone" or "hGH") same fusion).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 08:52
L4	41	("albumin" same ("human growth hormone" or "hGH")).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 08:53
L5	185	((("human growth hormone" or "hGH") with ("polyethylene glycol" or "PEG"))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 08:55
L6	24	((("human growth hormone" or "hGH") with ("polyethylene glycol" or "PEG")).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 08:55
L7	2	("5849535").PN.	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/07/26 10:34
S4	1509114	((crystal) or (xtal) or (3D) or (xray) or (x-ray) or (NMR))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/25 14:00
S5	1575946	((crystal) or (xtal) or (3D) or (xray) or (x-ray) or (NMR))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/25 14:01
S6	260	S5 same ("human growth hormone" or "hGH")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/25 14:01
S7	0	S6 same polyargnine	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/25 14:01

## EAST Search History

S8	3	S6 same polyarginine	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/25 14:51
S9	33	Govardhan.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/25 14:30
S10	6	S9 and "human growth"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/25 14:30
S11	103	Khalaf.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/25 14:41
S12	14	S11 and "human growth"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/25 14:41
S13	144	Simeone.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/25 14:41
S14	4	S13 and "human growth"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/25 14:41
S15	10	crystal same polyarginine	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/25 14:51
S16	129957	((crystal) or (xtal) or (3D) or (xray) or (X-ray)).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/25 14:53
S17	9	S16 with "human growth"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/25 14:53
S18	9	S16 with ("human growth" or "hGH")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/25 14:58
S19	9	S16 same ("human growth" or "hGH")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/25 15:01

## EAST Search History

S20	3	("4342832").PN.	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/07/25 15:02
S21	2	("4816568").PN.	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/07/25 15:03
S22	2	("4917685").PN.	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/07/25 15:03
S23	2	("5633352").PN.	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/07/26 08:51
S24	2	("5654010").PN.	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/07/26 08:54
S25	2	("5667808").PN.	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/07/25 15:04
S26	2	("5691169").PN.	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/07/25 15:05
S27	2	("5705482").PN.	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/07/25 15:05
S28	2	("5734026").PN.	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/07/25 15:06
S29	2	("5780599").PN.	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/07/25 15:07
S30	2	("5788959").PN.	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/07/25 15:07
S31	1	("5849700").PN.	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/07/25 15:07
S32	2	("5849704").PN.	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/07/25 15:08
S33	2	("5981485").PN.	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/07/26 08:40
S34	2	("6022858").PN.	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/07/25 15:09

## EAST Search History

S35	2	("6066470").PN.	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/07/25 15:09
S36	2	("6117984").PN.	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/07/26 10:34
S37	2	("6267981").PN.	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/07/25 15:09
S38	2	("6309859").PN.	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/07/25 15:10
S39	2	("6359118").PN.	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/07/25 15:10
S40	3	("6376461").PN.	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/07/25 15:10
S41	3	("6448225").PN.	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/07/25 15:11
S42	2	("6541606").PN.	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/07/25 15:11
S43	2	("20020009491").PN.	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/07/25 15:12
S44	2	("20020142050").PN.	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/07/25 15:12
S45	2	("20030013653").PN.	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/07/25 15:12
S46	2	("20030099663").PN.	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/07/25 15:12
S47	2	("20040029777").PN.	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/07/25 15:12

Trying 31060000009999...Open

DIALOG INFORMATION SERVICES

PLEASE LOGON:

\*\*\*\*\* HHHHHHHH SSSSSSS? ### Status: Signing onto Dialog \*\*\*\*\*

ENTER PASSWORD:

\*\*\*\*\* HHHHHHHH SSSSSSS? \*\*\*\*\*

Welcome to DIALOG

### Status: Login successfulDialog level 05.12.03D

Logon file405 26jul06 09:52:46

\*\*\* ANNOUNCEMENTS \*\*\*

\*\*\*

? b 155 biosci medicine 399

Set	Items	Description
---	-----	-----
? s	(human growth hormone) (20n) (crystal)	
	16022	HUMAN GROWTH HORMONE
	2351916	CRYSTAL
S1	6	(HUMAN GROWTH HORMONE) (20N) (CRYSTAL)
? rd		

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.

S2 4 RD (unique items)

? t s2/medium/all

2/3/1 (Item 1 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

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03611963 Genuine Article#: PR260 No. References: 33

**Title: COMPARISON OF THE INTERMEDIATE COMPLEXES OF HUMAN GROWTH-HORMONE  
BOUND TO THE HUMAN GROWTH-HORMONE AND PROLACTIN RECEPTORS**

Author(s): KOSSIAKOFF AA; SOMERS W; ULTSCH M; ANDOW K; MULLER YA; DEVOS AM

Corporate Source: GENENTECH INC,DEPT PROT ENGN,460 POINT SAN BRUNO BLVD/S  
SAN FRANCISCO//CA/94080; GENENTECH INC,DEPT PROT ENGN/S SAN  
FRANCISCO//CA/94080

Journal: PROTEIN SCIENCE, 1994, V3, N10 (OCT), P1697-1705

ISSN: 0961-8368

Language: ENGLISH Document Type: ARTICLE (Abstract Available)

2/3/2 (Item 2 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

(c) 2006 The Thomson Corp. All rts. reserv.

02964925 Genuine Article#: MW687 No. References: 28

**Title: THE CRYSTAL-STRUCTURE OF AFFINITY-MATURED HUMAN GROWTH-HORMONE AT  
2-ANGSTROM RESOLUTION**

Author(s): ULTSCH MH; SOMERS W; KOSSIAKOFF AA; DEVOS AM

Corporate Source: GENENTECH INC,DEPT PROT ENGN,460 POINT SAN BRUNO BLVD/S

SAN FRANCISCO//CA/94080; GENENTECH INC,DEPT PROT ENGN/S SAN  
FRANCISCO//CA/94080  
Journal: JOURNAL OF MOLECULAR BIOLOGY, 1994, V236, N1 (FEB 11), P286-299  
ISSN: 0022-2836  
Language: ENGLISH Document Type: ARTICLE

**2/3/3 (Item 1 from file: 45)**

DIALOG(R)File 45:EMCare  
(c) Elsevier Science BV (Copr. 2006). All rts. reserv.

00721709 EMCare No: 30030467

**Elastic and physicochemical relationships within cortical bone**

Kohles S.S.; Martinez D.A.

S.S. Kohles, Department of Biomedical Engineering, Mechanical  
Engg./Biology/Biotech., Worcester Polytechnic Institute, 100 Institute  
Road, Worcester, MA 01609-2280 United States

AUTHOR EMAIL: kohles@wpi.edu

Journal of Biomedical Materials Research ( J. BIOMED. MATER. RES. ) ( United States) 15 MAR 2000, 49/4 (479-488)

CODEN: JBMRB ISSN: 0021-9304

DOCUMENT TYPE: Journal ; Article

LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

NUMBER OF REFERENCES: 52

RECORD TYPE: Abstract

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**2/3/4 (Item 2 from file: 45)**

DIALOG(R)File 45:EMCare  
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00046945 EMCare No: 25101037

**A hot spot of binding energy in a hormone-receptor interface**

Clackson T.; Wells J.A.

J.A. Wells, Department of Protein Engineering, Genentech, 460 Point San  
Bruno Boulevard, South San Francisco, CA 94080 United States  
Science ( SCIENCE ) (United States) 20 JAN 1995, 267/5196 (383-386)

CODEN: SCIEA ISSN: 0036-8075

DOCUMENT TYPE: Journal ; Article

LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

NUMBER OF REFERENCES: 46

RECORD TYPE: Abstract

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? s (human growth hormone) and (crystal) and polyarginine

16022 HUMAN GROWTH HORMONE

2351916 CRYSTAL

1826 POLYARGININE

S3 2 (HUMAN GROWTH HORMONE) AND (CRYSTAL) AND POLYARGININE

? rd

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.

S4 1 RD (unique items)

? t s4/medium/all

4/3/1 (Item 1 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)  
(c) format only 2006 Dialog. All rts. reserv.

19668863 PMID: 16132358

**Novel long-acting crystal formulation of human growth hormone.**

Govardhan Chandrika; Khalaf Nazer; Jung Chu W; Simeone Ben; Higbie Amy;  
Qu Susan; Chemmalil Letha; Pechenov Sergey; Basu Sujit K; Margolin Alexey L  
Altus Pharmaceuticals Inc., 625 Putnam Ave., Cambridge, Massachusetts  
02139, USA.

Pharmaceutical research (United States) Sep 2005, 22 (9) p1461-70,  
ISSN 0724-8741--Print Journal Code: 8406521

Publishing Model Print-Electronic

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

?

PLEASE ENTER A COMMAND OR BE LOGGED OFF IN 5 MINUTES

? ds

Set	Items	Description
S1	6	(HUMAN GROWTH HORMONE) (20N) (CRYSTAL)
S2	4	RD (unique items)
S3	2	(HUMAN GROWTH HORMONE) AND (CRYSTAL) AND POLYARGININE
S4	1	RD (unique items)

? s (human growth hormone) and (crystal) and ?arginine  
>>>File 155 processing for ?ARGININE stopped at AKUMULACNY  
>>>File 5 processing for ?ARGININE stopped at ABSTRACT ANOLIS-GINGIVINUS  
ANOLIS-WATTSI ARTHR  
>>>File 24 processing for ?ARGININE stopped at ANGMENTED  
>>>File 28 processing for ?ARGININE stopped at COMPONET  
>>>File 34 processing for ?ARGININE stopped at ACTIVE SAMPLING AND PASSIVE  
SAMPLING METHODS  
>>>File 35 processing for ?ARGININE stopped at BASTINGS  
>>>File 40 processing for ?ARGININE stopped at INSPECTED  
>>>File 41 processing for ?ARGININE stopped at ERGONOMICAL  
>>>File 45 processing for ?ARGININE stopped at BOSTRUM  
>>>File 50 processing for ?ARGININE stopped at ALKALIPEROXID  
>>>File 65 processing for ?ARGININE stopped at BIOPSIEDIAGNOSTIK  
>>>File 71 processing for ?ARGININE stopped at ALPHA/BETA ROLL  
>>>File 73 processing for ?ARGININE stopped at AG019SUPT  
>>>File 91 processing for ?ARGININE stopped at NA2SEO3  
>>>File 94 processing for ?ARGININE stopped at ASHERS  
>>>File 98 processing for ?ARGININE stopped at CHOLOROPHYLL  
>>>File 135 processing for ?ARGININE stopped at CIDADE UNIVERSITY  
>>>File 136 processing for ?ARGININE stopped at DESMARQUEST  
>>>File 143 processing for ?ARGININE stopped at EFFECT ON VERTEBRATES  
>>>File 144 processing for ?ARGININE stopped at ACIERA CR:5-10 MO:1-1,5  
C-SUB  
>>>File 164 processing for ?ARGININE stopped at LEAFING  
>>>File 172 processing for ?ARGININE stopped at DRUG-DISCOVERY PROCESS  
>>>File 185 processing for ?ARGININE stopped at ADENEX  
>>>File 357 processing for ?ARGININE stopped at BROMOMETHYLKETONES  
>>>File 369 processing for ?ARGININE stopped at MG18124342  
>>>File 370 processing for ?ARGININE stopped at LACTOBACILLUS  
>>>File 391 processing for ?ARGININE stopped at ACETIC ACID 3,4,5-TRIS-BENZ

YLOXY-6-(2-BENZYL SU  
Processed 20 of 37 files ...  
Sending Break...  
?  
? s (human growth hormone) and (crystal) and ((2-amino-5 guanidino-pentanoic acid) or arginine)  
16022 HUMAN GROWTH HORMONE  
2351916 CRYSTAL  
0 2-AMINO-5 GUANIDINO-PENTANOIC ACID  
458699 ARGININE  
S5 7 (HUMAN GROWTH HORMONE) AND (CRYSTAL) AND ((2-AMINO-5 GUANIDINO-PENTANOIC ACID) OR ARGININE)  
? rd

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.

S6 2 RD (unique items)  
? t s6/medium/all

6/3/1 (Item 1 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)  
(c) format only 2006 Dialog. All rts. reserv.

19668863 PMID: 16132358  
**Novel long-acting crystal formulation of human growth hormone.**  
Govardhan Chandrika; Khalaf Nazer; Jung Chu W; Simeone Ben; Higbie Amy; Qu Susan; Chemmalil Letha; Pechenov Sergey; Basu Sujit K; Margolin Alexey L  
Altus Pharmaceuticals Inc., 625 Putnam Ave., Cambridge, Massachusetts 02139, USA.  
Pharmaceutical research (United States) Sep 2005, 22 (9) p1461-70,  
ISSN 0724-8741--Print Journal Code: 8406521  
Publishing Model Print-Electronic  
Document type: Journal Article  
Languages: ENGLISH  
Main Citation Owner: NLM  
Record type: MEDLINE; Completed

6/3/2 (Item 2 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)  
(c) format only 2006 Dialog. All rts. reserv.

11505677 PMID: 9341147  
**Aspartate 171 is the major primate-specific determinant of human growth hormone. Engineering porcine growth hormone to activate the human receptor.**  
Behncken S N; Rowlinson S W; Rowland J E; Conway-Campbell B L; Monks T A; Waters M J  
Department of Physiology and Pharmacology and the Centre for Molecular and Cellular Biology, University of Queensland, Brisbane, Queensland 4072, Australia.  
Journal of biological chemistry (UNITED STATES) Oct 24 1997, 272 (43) p27077-83, ISSN 0021-9258--Print Journal Code: 2985121R  
Publishing Model Print  
Document type: Journal Article  
Languages: ENGLISH  
Main Citation Owner: NLM



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Record type: MEDLINE; Completed
? s (human growth hormone) and (crystal) and poly?
>>>File 155 processing for POLY? stopped at POLYCHLOROALKANES
>>>File 5 processing for POLY? stopped at POLYCARBOCYCLES
>>>File 24 processing for POLY? stopped at POLYHB
>>>File 34 processing for POLY? stopped at POLYASN
>>>File 35 processing for POLY? stopped at POLYHYDROXYAZEPANES
>>>File 45 processing for POLY? stopped at POLYURIA
>>>File 50 processing for POLY? stopped at POLYGENOMES
>>>File 65 processing for POLY? stopped at POLYMETHOXYFLAVONES
>>>File 71 processing for POLY? stopped at POLYGLYCINES
>>>File 73 processing for POLY? stopped at POLYCHARGED
>>>File 94 processing for POLY? stopped at POLYFLUOROETHYLENE
>>>File 98 processing for POLY? stopped at POLYTOPS
>>>File 144 processing for POLY? stopped at POLYANIN
>>>File 185 processing for POLY? stopped at POLYPARASITIC
>>>File 357 processing for POLY? stopped at POLYOXYETHYLENENONYLPHENYL
>>>File 391 processing for POLY? stopped at POLYPHOSPHIDES
>>>File 434 processing for POLY? stopped at POLYETHOXY
>>>File 149 processing for POLY? stopped at POLYSILICIC
>>>File 156 processing for POLY? stopped at POLYISO
>>>File 159 processing for POLY? stopped at POLYOXOANION
>>>File 399 processing for POLY? stopped at POLYALKYLDIPHENYL
Processing
Processed 30 of 37 files ...
Completed processing all files
      16022 HUMAN GROWTH HORMONE
      2351916 CRYSTAL
      4717497 POLY?
S7      4 (HUMAN GROWTH HORMONE) AND (CRYSTAL) AND POLY?
? rd

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.
S8      2 RD (unique items)
? s (human growth hormone) and (crystal) and ((L-Arg) or (L-Arginine) or
(PolyL-arginine))
      16022 HUMAN GROWTH HORMONE
      2351916 CRYSTAL
      56 L-ARG
      19692 L-ARGININE
      0 POLYL-ARGININE
S9      0 (HUMAN GROWTH HORMONE) AND (CRYSTAL) AND ((L-ARG) OR
(L-ARGININE) OR (POLYL-ARGININE))
?
```